

Tayyebeh Madrakian

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

225
papers

6,181
citations

43
h-index

66
g-index

235
ext. papers

6,868
ext. citations

5.3
avg, IF

6.39
L-index

#	Paper	IF	Citations
225	Removal of some cationic dyes from aqueous solutions using magnetic-modified multi-walled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2011 , 196, 109-14	12.8	282
224	Nanomaterials as sorbents for sample preparation in bioanalysis: A review. <i>Analytica Chimica Acta</i> , 2017 , 958, 1-21	6.6	170
223	Surface decoration of multi-walled carbon nanotubes modified carbon paste electrode with gold nanoparticles for electro-oxidation and sensitive determination of nitrite. <i>Biosensors and Bioelectronics</i> , 2014 , 51, 379-85	11.8	154
222	Adsorption and kinetic studies of seven different organic dyes onto magnetite nanoparticles loaded tea waste and removal of them from wastewater samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 99, 102-9	4.4	139
221	Simultaneous determination of tyrosine, acetaminophen and ascorbic acid using gold nanoparticles/multiwalled carbon nanotube/glassy carbon electrode by differential pulse voltammetric method. <i>Sensors and Actuators B: Chemical</i> , 2014 , 193, 451-460	8.5	133
220	Preconcentration and spectrophotometric determination of low concentrations of malachite green and leuco-malachite green in water samples by high performance solid phase extraction using maghemite nanoparticles. <i>Talanta</i> , 2010 , 82, 785-9	6.2	117
219	Fabrication and application of a new modified electrochemical sensor using nano-silica and a newly synthesized Schiff base for simultaneous determination of Cd ²⁺ , Cu ²⁺ and Hg ²⁺ ions in water and some foodstuff samples. <i>Analytica Chimica Acta</i> , 2013 , 771, 21-30	6.6	109
218	Fabrication of a new electrochemical sensor based on a new nano-molecularly imprinted polymer for highly selective and sensitive determination of tramadol in human urine samples. <i>Biosensors and Bioelectronics</i> , 2013 , 44, 34-40	11.8	107
217	Preparation of NiFeO ₄ /graphene nanocomposite and its application as a modifier for the fabrication of an electrochemical sensor for the simultaneous determination of tramadol and acetaminophen. <i>Analytica Chimica Acta</i> , 2014 , 831, 50-9	6.6	105
216	Facile simultaneous electrochemical determination of codeine and acetaminophen in pharmaceutical samples and biological fluids by graphene/CoFe ₂ O ₄ nanocomposite modified carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2014 , 203, 909-918	8.5	101
215	The effect of acid treatment of carbon cloth on the adsorption of nitrite and nitrate ions. <i>Journal of Hazardous Materials</i> , 2007 , 144, 427-31	12.8	97
214	Gold nanoparticle/multi-walled carbon nanotube modified glassy carbon electrode as a sensitive voltammetric sensor for the determination of diclofenac sodium. <i>Materials Science and Engineering C</i> , 2016 , 59, 168-176	8.3	92
213	Construction of a modified carbon paste electrode for the highly selective simultaneous electrochemical determination of trace amounts of mercury(II) and cadmium(II). <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 542-548	8.5	89
212	Impedimetric immunosensor for the label-free and direct detection of botulinum neurotoxin serotype A using Au nanoparticles/graphene-chitosan composite. <i>Biosensors and Bioelectronics</i> , 2017 , 93, 124-131	11.8	89
211	Construction of a chemically modified electrode for the selective determination of nitrite and nitrate ions based on a new nanocomposite. <i>Electrochimica Acta</i> , 2012 , 66, 255-264	6.7	87
210	Application of Modified Silica Coated Magnetite Nanoparticles for Removal of Iodine from Water Samples. <i>Nano-Micro Letters</i> , 2012 , 4, 57-63	19.5	87
209	Spectrophotometric determination of trace amounts of uranium(VI) in water samples after mixed micelle-mediated extraction. <i>Talanta</i> , 2007 , 71, 610-4	6.2	85

208	Flame atomic absorption spectrometric determination of trace quantities of cadmium in water samples after cloud point extraction in Triton X-114 without added chelating agents. <i>Journal of Hazardous Materials</i> , 2006 , 138, 269-72	12.8	82
207	Flame atomic absorption spectrometric determination of trace amounts of Pb(II) and Cr(III) in biological, food and environmental samples after preconcentration by modified nano-alumina. <i>Mikrochimica Acta</i> , 2011 , 172, 125-136	5.8	78
206	Highly sensitive simultaneous electrochemical determination of trace amounts of Pb(II) and Cd(II) using a carbon paste electrode modified with multi-walled carbon nanotubes and a newly synthesized Schiff base. <i>Electrochimica Acta</i> , 2013 , 89, 377-386	6.7	77
205	Selective solid-phase extraction of naproxen drug from human urine samples using molecularly imprinted polymer-coated magnetic multi-walled carbon nanotubes prior to its spectrofluorometric determination. <i>Analyst, The</i> , 2013 , 138, 4542-9	5	75
204	New nano-composite potentiometric sensor composed of graphene nanosheets/thionine/molecular wire for nanomolar detection of silver ion in various real samples. <i>Talanta</i> , 2015 , 131, 548-55	6.2	73
203	Betulin and its derivatives as novel compounds with different pharmacological effects. <i>Biotechnology Advances</i> , 2020 , 38, 107409	17.8	73
202	Separation, preconcentration and determination of silver ion from water samples using silica gel modified with 2,4,6-trimorpholino-1,3,5-triazin. <i>Journal of Hazardous Materials</i> , 2006 , 128, 67-72	12.8	72
201	New Schiff base-carbon nanotube/nanosilica/ionic liquid as a high performance sensing material of a potentiometric sensor for nanomolar determination of cerium(III) ions. <i>Sensors and Actuators B: Chemical</i> , 2012 , 174, 237-244	8.5	68
200	A new nano-composite potentiometric sensor containing an Hg ²⁺ -ion imprinted polymer for the trace determination of mercury ions in different matrices. <i>Journal of Molecular Liquids</i> , 2015 , 204, 227-235	6.5	67
199	Superparamagnetic surface molecularly imprinted nanoparticles for sensitive solid-phase extraction of tramadol from urine samples. <i>Talanta</i> , 2013 , 105, 255-61	6.2	66
198	Fabrication of a novel aptasensor based on three-dimensional reduced graphene oxide/polyaniline/gold nanoparticle composite as a novel platform for high sensitive and specific cocaine detection. <i>Analytica Chimica Acta</i> , 2017 , 996, 10-19	6.6	59
197	Construction of a carbon ionic liquid paste electrode based on multi-walled carbon nanotubes-synthesized Schiff base composite for trace electrochemical detection of cadmium. <i>Materials Science and Engineering C</i> , 2014 , 35, 8-14	8.3	59
196	Green and cost-effective synthesis of carbon dots from date kernel and their application as a novel switchable fluorescence probe for sensitive assay of Zoledronic acid drug in human serum and cellular imaging. <i>Analytica Chimica Acta</i> , 2018 , 1030, 183-193	6.6	58
195	Effect of the impregnation of carbon cloth with ethylenediaminetetraacetic acid on its adsorption capacity for the adsorption of several metal ions. <i>Journal of Hazardous Materials</i> , 2008 , 150, 408-12	12.8	57
194	Magnetic nickel zinc ferrite nanocomposite as an efficient adsorbent for the removal of organic dyes from aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 920-924	6.3	55
193	Alumina nanoparticles grafted with functional groups as a new adsorbent in efficient removal of formaldehyde from water samples. <i>Desalination</i> , 2011 , 281, 151-158	10.3	54
192	Chemically modified alumina nanoparticles for selective solid phase extraction and preconcentration of trace amounts of Cd(II). <i>Mikrochimica Acta</i> , 2011 , 175, 69-77	5.8	52
191	New synthetic mercaptoethylamino homopolymer-modified maghemite nanoparticles for effective removal of some heavy metal ions from aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 1160-1166	6.3	51

190	Gold nanoparticles modified carbon paste electrode as an efficient electrochemical sensor for rapid and sensitive determination of cefixime in urine and pharmaceutical samples. <i>Electrochimica Acta</i> , 2013 , 103, 125-133	6.7	48
189	Mo(VI) and W(VI) removal from water samples by acid-treated high area carbon cloth. <i>Desalination</i> , 2009 , 243, 258-264	10.3	48
188	Solid-phase extraction method for preconcentration of trace amounts of some metal ions in environmental samples using silica gel modified by 2,4,6-trimorpholino-1,3,5-triazin. <i>Journal of Hazardous Materials</i> , 2008 , 160, 468-72	12.8	47
187	Spectroscopic and molecular docking techniques study of the interaction between oxymetholone and human serum albumin. <i>Journal of Luminescence</i> , 2014 , 155, 218-225	3.8	45
186	Simple in situ functionalizing magnetite nanoparticles by reactive blue-19 and their application to the effective removal of Pb ²⁺ ions from water samples. <i>Chemosphere</i> , 2013 , 90, 542-7	8.4	45
185	Surface decoration of cadmium-sulfide quantum dots with 3-mercaptopropionic acid as a fluorescence probe for determination of ciprofloxacin in real samples. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 14-21	8.5	45
184	Construction a magneto carbon paste electrode using synthesized molecularly imprinted magnetic nanospheres for selective and sensitive determination of mefenamic acid in some real samples. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 712-718	11.8	45
183	Second-order advantage applied to simultaneous spectrofluorimetric determination of paracetamol and mefenamic acid in urine samples. <i>Analytica Chimica Acta</i> , 2009 , 645, 25-9	6.6	45
182	Molecularly imprinted polymer coated magnetite nanoparticles as an efficient mefenamic acid resonance light scattering nanosensor. <i>Analytica Chimica Acta</i> , 2014 , 852, 250-6	6.6	43
181	Cloud-point preconcentration and spectrophotometric determination of trace amounts of molybdenum(VI) in steels and water samples. <i>Journal of Hazardous Materials</i> , 2008 , 153, 695-700	12.8	43
180	Simultaneous spectrofluorimetric determination of levodopa and propranolol in urine using feed-forward neural networks assisted by principal component analysis. <i>Talanta</i> , 2009 , 78, 1051-5	6.2	40
179	Pleiotropic effects of statins: A focus on cancer. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165968	6.9	40
178	Turn-off fluorescence of amino-functionalized carbon quantum dots as effective fluorescent probes for determination of isotretinoin. <i>Sensors and Actuators B: Chemical</i> , 2017 , 247, 428-435	8.5	39
177	Solid phase extraction of doxorubicin using molecularly imprinted polymer coated magnetite nanospheres prior to its spectrofluorometric determination. <i>New Journal of Chemistry</i> , 2015 , 39, 163-174 ⁶	7.6	39
176	Spectrophotometric determination of beryllium in water samples after micelle-mediated extraction preconcentration. <i>Talanta</i> , 2007 , 71, 1103-9	6.2	39
175	Kinetic-spectrophotometric determination of selenium in natural water after preconcentration of elemental selenium on activated carbon. <i>Talanta</i> , 2002 , 58, 311-7	6.2	39
174	A novel electrochemical sensor based on magneto Au nanoparticles/carbon paste electrode for voltammetric determination of acetaminophen in real samples. <i>Materials Science and Engineering C</i> , 2015 , 57, 205-14	8.3	38
173	Effect of treatment of carbon cloth with sodium hydroxide solution on its adsorption capacity for the adsorption of some cations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 304, 36-40	5.1	38

172	Micelle-mediated extraction for simultaneous spectrophotometric determination of aluminum and beryllium using mean centering of ratio spectra. <i>Talanta</i> , 2007 , 72, 408-14	6.2	38
171	Highly selective determination of trace quantities of mercury in water samples after preconcentration by the cloud-point extraction method. <i>International Journal of Environmental Analytical Chemistry</i> , 2006 , 86, 1165-1173	1.8	38
170	Electrochemical determination of levodopa in the presence of ascorbic acid by polyglycine/ZnO nanoparticles/multi-walled carbon nanotubes-modified carbon paste electrode. <i>Ionics</i> , 2015 , 21, 2937-2947	3.7	37
169	Adsorption of some cationic and anionic dyes on magnetite nanoparticles-modified activated carbon from aqueous solutions: equilibrium and kinetics study. <i>Journal of the Iranian Chemical Society</i> , 2013 , 10, 481-489	2	37
168	Spectrophotometric determination of periodate, iodate and bromate mixtures based on their reaction with iodide. <i>Analytical Sciences</i> , 2001 , 17, 1199-202	1.7	37
167	Graphene nanoribbon/FePt bimetallic nanoparticles/uric acid as a novel magnetic sensing layer of screen printed electrode for sensitive determination of ampyra. <i>Talanta</i> , 2018 , 176, 350-359	6.2	37
166	Electrochemically oxidized multiwalled carbon nanotube/glassy carbon electrode as a probe for simultaneous determination of dopamine and doxorubicin in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 2577-86	4.4	36
165	Indirect kinetic spectrophotometric determination of hydroxylamine based on its reaction with iodate. <i>Analytical Sciences</i> , 2006 , 22, 329-31	1.7	35
164	Polyethylenimine@Fe ₃ O ₄ @carbon nanotubes nanocomposite as a modifier in glassy carbon electrode for sensitive determination of ciprofloxacin in biological samples. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 833, 281-289	4.1	35
163	Simultaneous determination of calcium, magnesium and zinc in different foodstuffs and pharmaceutical samples with continuous wavelet transforms. <i>Food Chemistry</i> , 2008 , 109, 660-669	8.5	33
162	In Situ Growth of Metal-Organic Framework HKUST-1 on Graphene Oxide Nanoribbons with High Electrochemical Sensing Performance in Imatinib Determination. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4859-4869	9.5	33
161	Improvement in the performance of a Pb ²⁺ selective potentiometric sensor using modified core/shell SiO ₂ /Fe ₃ O ₄ nano-structure. <i>Journal of Molecular Liquids</i> , 2014 , 199, 108-114	6	32
160	Solid phase extraction flame atomic absorption spectrometric determination of ultra-trace beryllium. <i>Analytica Chimica Acta</i> , 2001 , 437, 17-22	6.6	32
159	Synthesis of morpholinated and 8-hydroxyquinolinated silica gel and their application to water softening. <i>Green Chemistry</i> , 2002 , 4, 611-614	10	32
158	A new chiral electrochemical sensor for the enantioselective recognition of naproxen enantiomers using L-cysteine self-assembled over gold nanoparticles on a gold electrode. <i>RSC Advances</i> , 2015 , 5, 58609-58615	3.7	31
157	A novel electrochemical sensor based on magneto LDH/Fe ₃ O ₄ nanoparticles @ glassy carbon electrode for voltammetric determination of tramadol in real samples. <i>Ionics</i> , 2017 , 23, 1005-1015	2.7	31
156	An electrochemical sensor for rizatriptan benzoate determination using Fe ₃ O ₄ nanoparticle/multiwall carbon nanotube-modified glassy carbon electrode in real samples. <i>Materials Science and Engineering C</i> , 2016 , 63, 637-43	8.3	30
155	Solid phase extraction of amoxicillin using dibenzo-18-crown-6 modified magnetic-multiwalled carbon nanotubes prior to its spectrophotometric determination. <i>Talanta</i> , 2016 , 148, 122-8	6.2	30

154	A selective sensor for nanolevel detection of lead (II) in hazardous wastes using ionic-liquid/Schiff base/MWCNTs/nanosilica as a highly sensitive composite. <i>Ionics</i> , 2012 , 18, 881-889	2.7	30
153	Spectrophotometric determination of hydroxylamine and nitrite in mixture in water and biological samples after micelle-mediated extraction. <i>Analytical Biochemistry</i> , 2005 , 347, 162-4	3.1	30
152	Application of nickel zinc ferrite/graphene nanocomposite as a modifier for fabrication of a sensitive electrochemical sensor for determination of omeprazole in real samples. <i>Journal of Colloid and Interface Science</i> , 2017 , 495, 1-8	9.3	29
151	Cloud point extraction spectrophotometric determination of trace quantities of bismuth in urine. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 797-802	1.5	29
150	Construction of novel sensitive electrochemical sensor for electro-oxidation and determination of citalopram based on zinc oxide nanoparticles and multi-walled carbon nanotubes. <i>Materials Science and Engineering C</i> , 2016 , 59, 847-854	8.3	28
149	A sensitive electrochemical sensor for rapid determination of methadone in biological fluids using carbon paste electrode modified with gold nanofilm. <i>Talanta</i> , 2014 , 128, 203-10	6.2	28
148	Highly sensitive and selective determination of thiocyanate using gold nanoparticles surface decorated multi-walled carbon nanotubes modified carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2014 , 196, 467-474	8.5	28
147	Spectrophotometric determination of bismuth in water samples after preconcentration of its thiourea-bromide ternary complex on activated carbon. <i>Talanta</i> , 2003 , 60, 831-8	6.2	28
146	Simultaneous spectrophotometric determination of iodate and bromate in water samples by the method of mean centering of ratio kinetic profiles. <i>Journal of Hazardous Materials</i> , 2005 , 123, 250-5	12.8	28
145	Statins in patients with COVID-19: a retrospective cohort study in Iranian COVID-19 patients. <i>Translational Medicine Communications</i> , 2021 , 6, 3	4	27
144	Construction of Modified Carbon Paste Electrode for Highly Sensitive Simultaneous Electrochemical Determination of Trace Amounts of Copper (II) and Cadmium (II). <i>Electroanalysis</i> , 2016 , 28, 296-303	3	26
143	Synthesis of Fe ₂ O ₃ /TiO ₂ nanocomposite and its application in removal of dyes from water samples by adsorption and degradation processes. <i>RSC Advances</i> , 2014 , 4, 44841-44847	3.7	26
142	Highly fluorescent nitrogen-doped graphene quantum dots as a green, economical and facile sensor for the determination of sunitinib in real samples. <i>New Journal of Chemistry</i> , 2017 , 41, 6875-6882	3.6	25
141	Fabrication of a novel impedimetric sensor based on l-Cysteine/Cu(II) modified gold electrode for sensitive determination of ampyra. <i>Analytica Chimica Acta</i> , 2017 , 984, 185-192	6.6	25
140	Preconcentration and spectrophotometric determination of oxymetholone in the presence of its main metabolite (mestanolone) using modified maghemite nanoparticles in urine sample. <i>Talanta</i> , 2013 , 115, 468-73	6.2	25
139	Improvement in performance of a hyoscine butylbromide potentiometric sensor using a new nanocomposite carbon paste: a comparison study with polymeric membrane sensor. <i>Ionics</i> , 2014 , 20, 1145-1154	2.7	24
138	Construction and Application of an Electrochemical Sensor for Simultaneous Determination of Cd(II), Cu(II) and Hg(II) in Water and Foodstuff Samples. <i>Electroanalysis</i> , 2014 , 26, 786-795	3	24
137	Efficient solid phase extraction of codeine from human urine samples using a novel magnetic molecularly imprinted nanoadsorbent and its spectrofluorometric determination. <i>New Journal of Chemistry</i> , 2016 , 40, 122-129	3.6	23

136	Magnetic solid phase extraction of rizatriptan in human urine samples prior to its spectrofluorimetric determination. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 1225-1233	8.5	23
135	Spectrophotometric determination of catecholamines based on their oxidation reaction followed by coupling with 4-aminobenzoic acid. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 1259-1265	1.5	23
134	Well-Orientation Strategy for Direct Immobilization of Antibodies: Development of the Immunosensor Using the Boronic Acid-Modified Magnetic Graphene Nanoribbons for Ultrasensitive Detection of Lymphoma Cancer Cells. <i>Analytical Chemistry</i> , 2020 , 92, 11405-11412	7.8	23
133	Construction of a novel "Off-On" fluorescence sensor for highly selective sensing of selenite based on europium ions induced crosslinking of nitrogen-doped carbon dots. <i>Journal of Luminescence</i> , 2018 , 194, 768-777	3.8	22
132	Partial least-squares regression for the simultaneous determination of aluminum and beryllium in geochemical samples using xylenol orange. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 61, 2988-94	4.4	21
131	Simultaneous colorimetric determination of morphine and ibuprofen based on the aggregation of gold nanoparticles using partial least square. <i>Journal of Pharmaceutical Analysis</i> , 2017 , 7, 411-416	14	20
130	Electro-oxidation and voltammetric determination of oxymetholone in the presence of mestanolone using glassy carbon electrode modified with carbon nanotubes. <i>Talanta</i> , 2014 , 121, 1-8	6.2	20
129	CoFe ₂ O ₄ nanoparticles modified carbon paste electrode for simultaneous detection of oxycodone and codeine in human plasma and urine. <i>Sensors and Actuators B: Chemical</i> , 2016 , 233, 263-271	8.5	20
128	Selective extraction and sensitive determination of mercury (II) ions by flame atomic absorption spectrometry after preconcentration on an ion-imprinted polymer-coated maghemite nanoparticles. <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 1235-1243	2	19
127	Spectrofluorometric determination of venlafaxine in biological samples after selective extraction on the superparamagnetic surface molecularly imprinted nanoparticles. <i>Analytical Methods</i> , 2015 , 7, 428-435	3.2	19
126	Simultaneous determination of mycophenolate mofetil and its active metabolite, mycophenolic acid, by differential pulse voltammetry using multi-walled carbon nanotubes modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2014 , 42, 38-45	8.3	19
125	Chiral magnetic nanospheres resonance light scattering properties studies for selective determination of naproxen and phenylglycine enantiomers. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 439-445	8.5	19
124	Simultaneous spectrophotometric determination of Sn(II) and Sn(IV) by mean centering of ratio kinetic profiles and partial least squares methods. <i>Talanta</i> , 2007 , 72, 1847-52	6.2	19
123	Investigation of the electrochemical behavior of some catecholamines in the presence of 4-aminobenzoic acid. <i>Electrochimica Acta</i> , 2005 , 50, 5633-5640	6.7	19
122	A sensitive electrochemical sensor for rapid and selective determination of venlafaxine in biological fluids using carbon paste electrode modified with molecularly imprinted polymer-coated magnetite nanoparticles. <i>Journal of the Iranian Chemical Society</i> , 2016 , 13, 243-251	2	18
121	Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ nanocomposite modified carbon paste electrode for highly sensitive and selective simultaneous electrochemical determination of trace amounts of mercury (II) and cadmium (II). <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 257-265	2	18
120	Spectrophotometric determination of Sb(III) and Sb(V) in biological samples after micelle-mediated extraction. <i>Journal of Hazardous Materials</i> , 2009 , 170, 809-13	12.8	18
119	Spectrophotometric determination of fluoxetine by batch and flow injection methods. <i>Chemical and Pharmaceutical Bulletin</i> , 2006 , 54, 1642-6	1.9	18

118	Lithium-7 and sodium-23 nmr studies of complexation of Li ⁺ and Na ⁺ ions with 1,10-phenanthroline, 2,2'-bipyridine and 8-hydroxyquinoline in some non-aqueous solutions. <i>Polyhedron</i> , 1996 , 15, 3647-3652	2.7	18
117	Application of magnetic nanomaterials in electroanalytical methods: A review. <i>Talanta</i> , 2021 , 225, 121974-2	4.2	17
116	Preconcentration and spectrofluorometric determination of l-tryptophan in the presence of d-tryptophan using a chiral magnetic nanoselector. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 681-687	8.5	16
115	Application of polyacrylonitrile nanofibers decorated with magnetic carbon dots as a resonance light scattering sensor to determine famotidine. <i>Talanta</i> , 2018 , 181, 286-295	6.2	16
114	A modified carbon paste electrode based on Fe ₃ O ₄ @multi-walled carbon nanotubes@polyacrylonitrile nanofibers for determination of imatinib anticancer drug. <i>Journal of Applied Electrochemistry</i> , 2020 , 50, 281-294	2.6	16
113	Removal and preconcentration of lead(II), cadmium(II) and chromium(III) ions from wastewater samples using surface functionalized magnetite nanoparticles. <i>Journal of the Iranian Chemical Society</i> , 2014 , 11, 489-498	2	15
112	Micelle-mediated extraction and determination of tin in soft drink and water samples. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 1535-1540	1.5	15
111	Bottom-up and green-synthesis route of amino functionalized graphene quantum dot as a novel biocompatible and label-free fluorescence probe for in vitro cellular imaging of human ACHN cell lines. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019 , 251, 114452	3.1	15
110	Magnetic headspace adsorptive extraction of chlorobenzenes prior to thermal desorption gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2017 , 971, 40-47	6.6	14
109	Electrochemical determination of fluvoxamine on mercury nanoparticle multi-walled carbon nanotube modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 259-266	8.5	14
108	Micelle mediated extraction and simultaneous spectrophotometric determination of vanadium(V) and molybdenum(VI) in plant foodstuff samples. <i>Food Chemistry</i> , 2011 , 127, 769-73	8.5	14
107	Simultaneous spectrophotometric determination of binary mixtures of surfactants using continuous wavelet transformation. <i>Journal of Hazardous Materials</i> , 2009 , 166, 770-5	12.8	14
106	Total sulfur determination in liquid fuels by ICP-OES after oxidation-extraction desulfurization using magnetic graphene oxide. <i>Fuel</i> , 2017 , 210, 507-513	7.1	13
105	ZnS quantum dots surface-loaded with zinc(II) ions as a viable fluorescent probe for glutathione. <i>Mikrochimica Acta</i> , 2019 , 186, 205	5.8	13
104	Electrochemical Sensor for Dapsone Using Molecularly Imprinted Polypyrrole Membrane as a Recognition Element. <i>Journal of the Electrochemical Society</i> , 2015 , 162, B109-B113	3.9	13
103	Selective and Sensitive Electrochemical Determination of Trace Amounts of Mercury Ion in Some Real Samples Using an Ion Imprinted Polymer Nano-Modifier. <i>Journal of the Electrochemical Society</i> , 2016 , 163, B68-B75	3.9	13
102	Effect of morphine, oxycodone and thebaine on resonance light scattering properties of human serum albumin: Investigation possibility of morphine determination in the presence of the two other drugs. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 379-383	8.5	13
101	Flow Injection and Batch Spectrophotometric Determination of Ibuprofen Based on its Competitive Complexation Reaction with Phenolphthalein- β -Cyclodextrin Inclusion Complex. <i>Analytical Letters</i> , 2007 , 40, 2317-2328	2.2	13

100	Competitive lithium-7 NMR study of the complexation of some alkaline earth and transition metal ions with 18-crown-6 in acetonitrile and its 50:50 mixtures with nitrobenzene and nitroethane. <i>Polyhedron</i> , 2000 , 19, 1681-1685	2.7	13
99	Effectiveness of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ for the removal and preconcentration of Cr(VI), Mo(VI), V(V) and W(VI) oxyanions from water and wastewater samples. <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 2007-2013	2	12
98	A new nano-composite electrode as a copper (II) selective potentiometric sensor. <i>Journal of the Iranian Chemical Society</i> , 2014 , 11, 1373-1380	2	12
97	Maghemite-Nanoparticles Enhanced Effects in Electrochemical Determination of Dipyridamole Utilizing Simultaneous Statistical Based Experimental Design Optimization. <i>Journal of the Electrochemical Society</i> , 2013 , 160, H775-H781	3.9	12
96	COMPETITIVE NMR STUDY OF THE COMPLEXATION OF SOME ALKALINE EARTH AND TRANSITION METAL IONS WITH 12-CROWN-4, 15-CROWN-5 AND BENZO-15-CROWN-5 IN ACETONITRILE SOLUTION USING THE LITHIUM-7 NUCLEUS AS A PROBE. <i>Journal of Coordination Chemistry</i> , 2000 , 52, 139-149	1.6	12
95	Preparation of a ZnO nanoparticles/multiwalled carbon nanotubes/carbon paste electrode as a sensitive tool for capecitabine determination in real samples. <i>RSC Advances</i> , 2016 , 6, 33851-33856	3.7	12
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